

B Nelson

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TECH CENTER 1600/2000

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RAW SEQUENCE LISTING DATE: 08/24/2000  
PATENT APPLICATION: US/09/469,812 TIME: 16:01:01

Input Set : A:\MOG57688 US SEQ LISTING .txt  
Output Set : N:\CRF3\08232000\I469812.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:  
6 (i) APPLICANT: Stuiver, Maarten  
7 Ponstein, Anne  
8 Ohl, Stephan  
9 Goddijn, Oscar  
10 Simons, Lambertus  
11 Dekker, Bernardus  
12 Hoekstra, Sietske  
13 Tigelaar, Hendrik  
14 Elzinga, Nicolas  
16 (ii) TITLE OF INVENTION: Plasmids For Plant Transformation And  
17 Method For Using The Same  
19 (iii) NUMBER OF SEQUENCES: 19  
21 (iv) CORRESPONDENCE ADDRESS:  
22 (A) ADDRESSEE: Zeneca Ag Products Inc.  
23 (B) STREET: 1800 Concord Pike  
24 (C) CITY: Wilmington  
25 (D) STATE: DE  
26 (E) COUNTRY: USA  
27 (F) ZIP: 19850  
29 (v) COMPUTER READABLE FORM:  
30 (A) MEDIUM TYPE: Floppy disk  
31 (B) COMPUTER: IBM PC compatible  
32 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
33 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25  
35 (vi) CURRENT APPLICATION DATA:  
C--> 36 (A) APPLICATION NUMBER: US/09/469,812  
C--> 37 (B) FILING DATE: 22-Dec-1999  
38 (C) CLASSIFICATION:  
44 (vii) PRIOR APPLICATION DATA:  
41 (A) APPLICATION NUMBER: EP 97201990.5  
42 (B) FILING DATE: 30-JUN-1997  
45 (A) APPLICATION NUMBER: PCT/EP98/04171  
46 (B) FILING DATE: 29-JUN-1998  
48 (viii) ATTORNEY/AGENT INFORMATION:  
49 (A) NAME: Hohenschutz, Liza D.  
50 (B) REGISTRATION NUMBER: 33,712  
51 (C) REFERENCE/DOCKET NUMBER: MOG 57688/UST  
53 (ix) TELECOMMUNICATION INFORMATION:  
54 (A) TELEPHONE: (302) 886-1699  
57 (2) INFORMATION FOR SEQ ID NO: 1:  
59 (i) SEQUENCE CHARACTERISTICS:  
60 (A) LENGTH: 21 base pairs  
61 (B) TYPE: nucleic acid  
62 (C) STRANDEDNESS: single  
63 (D) TOPOLOGY: linear

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65      (ii) MOLECULE TYPE: cDNA
67      (iii) HYPOTHETICAL: NO
C--> 69      (iv) ANTI-SENSE: NO
73      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
75 GATGGCAAAC GCTAATAAGG G
77 (2) INFORMATION FOR SEQ ID NO: 2:
79      (i) SEQUENCE CHARACTERISTICS:
80          (A) LENGTH: 21 base pairs
81          (B) TYPE: nucleic acid
82          (C) STRANDEDNESS: single
83          (D) TOPOLOGY: linear
85      (ii) MOLECULE TYPE: cDNA
87      (iii) HYPOTHETICAL: NO
C--> 89      (iv) ANTI-SENSE: NO
93      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
95 GAGCGGGTTT AACCTACTTC C
97 (2) INFORMATION FOR SEQ ID NO: 3:
99      (i) SEQUENCE CHARACTERISTICS:
100         (A) LENGTH: 39 base pairs
101         (B) TYPE: nucleic acid
102         (C) STRANDEDNESS: single
103         (D) TOPOLOGY: linear
105      (ii) MOLECULE TYPE: cDNA
107      (iii) HYPOTHETICAL: NO
C--> 109      (iv) ANTI-SENSE: NO
113      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
115 CTGTTGTCGA CGGCTGGCTG GTGGCAGGAT ATATTGTGG
117 (2) INFORMATION FOR SEQ ID NO: 4:
119      (i) SEQUENCE CHARACTERISTICS:
120         (A) LENGTH: 38 base pairs
121         (B) TYPE: nucleic acid
122         (C) STRANDEDNESS: single
123         (D) TOPOLOGY: linear
125      (ii) MOLECULE TYPE: cDNA
127      (iii) HYPOTHETICAL: NO
C--> 129      (iv) ANTI-SENSE: NO
133      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
135 CCAGCCGTCG ACAACAGCTC CCCGACCGGC AGCTCGGC
137 (2) INFORMATION FOR SEQ ID NO: 5:
139      (i) SEQUENCE CHARACTERISTICS:
140         (A) LENGTH: 44 base pairs
141         (B) TYPE: nucleic acid
142         (C) STRANDEDNESS: single
143         (D) TOPOLOGY: linear
146      (ii) MOLECULE TYPE: cDNA
148      (iii) HYPOTHETICAL: NO
C--> 150      (iv) ANTI-SENSE: NO
154      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
156 TCGACGGGGT GCCTGGGGCG GTGGCGGGGC GGGCCGGGGC GTGC

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158 (2) INFORMATION FOR SEQ ID NO: 6:
160   (i) SEQUENCE CHARACTERISTICS:
161       (A) LENGTH: 44 base pairs
162       (B) TYPE: nucleic acid
163       (C) STRANDEDNESS: single
164       (D) TOPOLOGY: linear
166   (ii) MOLECULE TYPE: cDNA
168   (iii) HYPOTHETICAL: NO
C--> 170   (iv) ANTI-SENSE: NO
174   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
176 TCGAGCACGC CCCGGCCCGC CCCGCCACCG CCCAGGCAC CCCG      44
178 (2) INFORMATION FOR SEQ ID NO: 7:
180   (i) SEQUENCE CHARACTERISTICS:
181       (A) LENGTH: 23 base pairs
182       (B) TYPE: nucleic acid
183       (C) STRANDEDNESS: double
184       (D) TOPOLOGY: linear
186   (ii) MOLECULE TYPE: cDNA
188   (iii) HYPOTHETICAL: NO
C--> 190   (iv) ANTI-SENSE: NO
194   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
196 TTCTCGAGAG GGTGGTTAC TCG      23
198 (2) INFORMATION FOR SEQ ID NO: 8:
200   (i) SEQUENCE CHARACTERISTICS:
201       (A) LENGTH: 23 base pairs
202       (B) TYPE: nucleic acid
203       (C) STRANDEDNESS: single
204       (D) TOPOLOGY: linear
206   (ii) MOLECULE TYPE: cDNA
208   (iii) HYPOTHETICAL: NO
212   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
214 TTGTCGACTC CAAGACGCCG AGC      23
216 (2) INFORMATION FOR SEQ ID NO: 9:
218   (i) SEQUENCE CHARACTERISTICS:
219       (A) LENGTH: 28 base pairs
220       (B) TYPE: nucleic acid
221       (C) STRANDEDNESS: single
222       (D) TOPOLOGY: linear
224   (ii) MOLECULE TYPE: cDNA
226   (iii) HYPOTHETICAL: NO
230   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
232 AATTCAGATC TCCATGGATC GATGAGCT      28
234 (2) INFORMATION FOR SEQ ID NO: 10:
236   (i) SEQUENCE CHARACTERISTICS:
237       (A) LENGTH: 20 base pairs
238       (B) TYPE: nucleic acid
239       (C) STRANDEDNESS: single
240       (D) TOPOLOGY: linear
242   (ii) MOLECULE TYPE: cDNA

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244      (iii) HYPOTHETICAL: NO
248      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
250 CATCGATCCA TGGAGATCTG                                20
252 (2) INFORMATION FOR SEQ ID NO: 11:
254      (i) SEQUENCE CHARACTERISTICS:
255          (A) LENGTH: 12 base pairs
256          (B) TYPE: nucleic acid
257          (C) STRANDEDNESS: single
258          (D) TOPOLOGY: linear
261      (ii) MOLECULE TYPE: cDNA
263      (iii) HYPOTHETICAL: NO
267      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
269 GATCGGTCTGA CC                                      12
271 (2) INFORMATION FOR SEQ ID NO: 12:
273      (i) SEQUENCE CHARACTERISTICS:
274          (A) LENGTH: 23 base pairs
275          (B) TYPE: nucleic acid
276          (C) STRANDEDNESS: single
277          (D) TOPOLOGY: linear
279      (ii) MOLECULE TYPE: cDNA
281      (iii) HYPOTHETICAL: NO
285      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
287 GACGCTAAAG GCAAACCTGA TTC                            23
289 (2) INFORMATION FOR SEQ ID NO: 13:
291      (i) SEQUENCE CHARACTERISTICS:
292          (A) LENGTH: 23 base pairs
293          (B) TYPE: nucleic acid
294          (C) STRANDEDNESS: single
295          (D) TOPOLOGY: linear
297      (ii) MOLECULE TYPE: cDNA
299      (iii) HYPOTHETICAL: NO
303      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
305 TTAACCTACT TCCTTTGGTT CCG                            23
307 (2) INFORMATION FOR SEQ ID NO: 14:
309      (i) SEQUENCE CHARACTERISTICS:
310          (A) LENGTH: 23 base pairs
311          (B) TYPE: nucleic acid
312          (C) STRANDEDNESS: single
313          (D) TOPOLOGY: linear
315      (ii) MOLECULE TYPE: cDNA
317      (iii) HYPOTHETICAL: NO
321      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
323 AGCGGCCCAT TTAGTAGAC GGG                              23
325 (2) INFORMATION FOR SEQ ID NO: 15:
327      (i) SEQUENCE CHARACTERISTICS:
328          (A) LENGTH: 28 base pairs
329          (B) TYPE: nucleic acid
330          (C) STRANDEDNESS: single
331          (D) TOPOLOGY: linear

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333      (ii) MOLECULE TYPE: cDNA
335      (iii) HYPOTHETICAL: NO
339      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
341 ATCAATTCGA ACCCCAGAGT CCCGTCCA
343 (2) INFORMATION FOR SEQ ID NO: 16:
345      (i) SEQUENCE CHARACTERISTICS:
346          (A) LENGTH: 21 base pairs
347          (B) TYPE: nucleic acid
348          (C) STRANDEDNESS: single
349          (D) TOPOLOGY: linear
351      (ii) MOLECULE TYPE: cDNA
353      (iii) HYPOTHETICAL: NO
357      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
359 CTGGATCGTT TCGCATGATT G
361 (2) INFORMATION FOR SEQ ID NO: 17:
363      (i) SEQUENCE CHARACTERISTICS:
364          (A) LENGTH: 27 base pairs
365          (B) TYPE: nucleic acid
366          (C) STRANDEDNESS: single
367          (D) TOPOLOGY: linear
369      (ii) MOLECULE TYPE: cDNA
371      (iii) HYPOTHETICAL: NO
375      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
377 CCAACTTATC AGTGATAAG AATCCGC
380 (2) INFORMATION FOR SEQ ID NO: 18:
382      (i) SEQUENCE CHARACTERISTICS:
383          (A) LENGTH: 27 base pairs
384          (B) TYPE: nucleic acid
385          (C) STRANDEDNESS: single
386          (D) TOPOLOGY: linear
388      (ii) MOLECULE TYPE: cDNA
390      (iii) HYPOTHETICAL: NO
394      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
396 GAGATCAGAT TGTCGTTTCC CGCCTTC
399 (2) INFORMATION FOR SEQ ID NO: 19:
401      (i) SEQUENCE CHARACTERISTICS:
402          (A) LENGTH: 12 base pairs
403          (B) TYPE: nucleic acid
404          (C) STRANDEDNESS: single
405          (D) TOPOLOGY: linear
407      (ii) MOLECULE TYPE: cDNA
411      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
413 TNCAATTGAA AY

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VERIFICATION SUMMARY                      DATE: 08/24/2000  
 PATENT APPLICATION:    US/09/469,812        TIME: 16:01:02

Input Set : A:\MOG57688 US SEQ LISTING .txt  
 Output Set: N:\CRF3\08232000\I469812.raw

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 L:37 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
 L:69 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
 L:89 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
 L:109 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
 L:129 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
 L:150 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
 L:170 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
 L:190 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]